



NOTES:

1. LENGTH OF RESTRAINT SHOWN IS IN FEET. FITTING DIAMETERS ARE IN INCHES.
2. WHERE LINES CONSIST OF BOTH DUCTILE IRON AND PVC WITHIN THE LIMITS OF REQUIRED RESTRAINT, LIMITS FOR PVC SHALL APPLY.
3. U1 AND U2 = UNINTERRUPTED STRAIGHT RUNS OF RESTRAINED JOINT PIPE IN EACH DIRECTION.
4. U_r = THE SMALLER OF U1 OR U2 (E.G., U1, IN THE ABOVE DIAGRAM)
5. L = MINIMUM RESTRAINED LENGTH ALONG THE BRANCH.
6. WHERE U_r IS LESS THAN 5', RESTRAIN TEE AS A 90° HORIZONTAL BEND.
7. INFORMATION IN THE TABLES ABOVE IS BASED ON THE DESIGN INFORMATION SHOWN. THE ENGINEER SHALL PROVIDE AMENDED RESTRAINT LENGTHS IF SITE CONDITIONS DIFFER

POLYETHYLENE WRAPPED DUCTILE IRON PIPE

TEE \ U_r	15'	20'
4X4	*	*
6X4	*	*
6X6	*	*
8X4	*	*
8X6	*	*
8X8	*	*
10X4	*	*
10X6	*	*
10X8	*	*
10X10	*	*
12X4	*	*
12X6	*	*
12X8	*	*
12X10	*	*
12X12	9	*
16X6	*	*
16X8	*	*

TEE \ U_r	15'	20'
16X10	*	*
16X12	*	*
16X16	8	*
20X6	*	*
20X8	*	*
20X10	*	*
20X12	*	*
20X16	5	*
20X20	86	57
24X6	*	*
24X8	*	*
24X10	*	*
24X12	*	*
24X16	*	*
24X20	50	*
24X24	122	72

PE WRAPPED DIP:
 SOIL TYPE: SM
 TRENCH TYPE: 5
 COVER: 3'
 TEST PRESSURE=150 PSI

MINIMUM RESTRAINED LENGTH (L)

* = RESTRAIN AT TEE ONLY

FORCE MAIN TEE RESTRAINT (DUCTILE IRON PIPE)

STANDARD
CONSTRUCTION
DETAILS



CITY OF
savannah
 WATER RESOURCES AND PUBLIC WORKS BUREAU
 Planning & Engineering

SCALE: N.T.S.

DATED: SEP 2013

PLATE NUMBER:

S7